FIGURE 1A

Nucleotide sequence of the partial PP2A-2 from Physcomitrella patens (SEQ ID NO:1)

FIGURE 1B

Nucleotide sequence of the partial PP2A-3 from Physcomitrella patens (SEQ ID NO:2) CGGCACGAGGAAGCAGGTTAGAACCTCAATGTGGATCCCGGAGCTAGAGGAAATGG ${\tt GAGTTTGCTGACAAATAGTATGTTGCTTAATCCAAAGGGCTTGGCACCACGTCTATC}$ ATCAAACGGAGGACCTGTGACACGAGGCATGCCGTAATCAGCCAGGACTTTGTATTT ${\tt CCTCCTGGAGGCATTCCGTCACTTCATCTTCCCTCGGTAGTAGTTTGGAGTAACGAA}$ ACGACATTAGTTGCGAGATGTAGAAGAGTCTACGCAAACGCTCATGCATATCACATC AACTCCATATCCAACAACAGCGATTGTGAGACATACATATCTGCAGATGATTTGAGA ATAAATTTATGGAACCTTGAAGTTAGTGATCAGAGTTTCAACATTGTTGACATCAAA ${\tt CCAACAAACATGGAAGACCTTACAGAGGTGATAACGTCTGCAGAGTTCCATCCTACT}$ ${\tt CATTGCAATGTGTTAGCATACAGTAGCAGCAAGGGCTCCATTCGACTCATTGATATG}$ CGTCAATCAGCCTTGTGTGATCGACACTCTAAAGCTGTTTGAGGAAGAACTGGAGCC CATCCTGGATCCAAGATCCTTTTTTCACAGAAATCCATAGCTTCAATTTCTGACATT AAGTTTGCAAGAGGCGATCGGTACATTCTCCAGTCGGGGACTACATGGACTCTGAA ACTGTGGGATGTGAACATGGAATCTGGTCCCTGTGGCACGTATTTAAAGTCCACGAG CATTTGCGACCAAAGCTTCGTGATCTCTATGAGAACGATTCACCTCCGATAATTGAT GTGTCCGGGG

FIGURE 1C

FIGURE 1D

Nucleotide sequence of the partial PP2C-1 from *Physcomitrella patens* (SEQ ID NO:4)

GCACCAGGTTACTGTGGGGCCTCGTCCCCCGGAAGAGCATGTTAGCTGGGGTTAGA
GAGCTAGGGCAGTGAGTGCCGATCATTTTTGCGTCACGCGTATCGATTTGCAAGGGC
GAAGTGCACAAGAGGGATGGGAATTTATCTTTGCTCTCCAAAGACTGACAAGACAT
CCGAAGATGATGAGAATGCCGAGTTACGCTATGGTTTATCAGCCATGCAAGGGTGG
CGCGATAGCATGGAGGATGCACACAAAGCTATCTTAAACGTTGATAAGAACACGTC
AACATCAATATTTGGCATCTTTGATGGTCACGGAGGTAAATTTGGTGGCAAAATTTTG
TGCAAAGCACTTACACCAAGAGGTTCTGAAGTCTGAAGCGTACGCTAAAGGTGACT
TAAAAGCAAGTTTGGAATATTCCTTTTTACGGATGGATGAGATGATGAAGGGAGCA
AGTGGGTGGAAAGAGCTTCAAAGTTTGGAGGAAACAAGTAGTCAGCTTGATAAACT
CGGTAATGGAAATAGCTCCTCTAATGCGAGGGAGGATGACGAAAGTGATTATTCCT
ATGCTGTGCTAACTGAAAGCAATGATAGT

FIGURE 1E

FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6) ${\tt CATTGTGGGGGGTACCCAGATCATGCTTCAGGGAGGTTTGGAGTGCGCCCAATGGA}$ GCCCTTGACGTTGGCCGTGGCAGATCTGGACCCCGATCTGCTTCAACTCCCTGCGGA TTTCACCCCCTTTGCTTCTCCTTCATCGTCATCGCCTGCTTCTGTGGGAGTTAGCAAC AAGCTTGGAGGTGTTTGTAGGTTGCACTTGGAGGAGCTTTACGCGCAATGGATTTCG AAGCACTCCCCGTTGCCTCCTGGAGCTCTGGTTCACCAATGTCTCCCAGGTCGCC TTTCAGCAGACGTATGGGAACTAGCCACCTCATGCGGGACTCTCCGTTGAAGAAAA GTAGCGAACCTGTGCGAGAGATCATACCCCAGTTCTATTTTCCGAATGGGCCCCCGC ${\tt CATCGAAGGATACCATTGAGTCGTGCATGGCTCGCGTAAACCAAATATTCGGAGCTC}$ ATCCAGAAGGTTTACCTGCATCAGCATTTGCAACCATTACTAAGGATGTATGCAAAC TACCGTCCTTCTCCATGGCTTTATTCAAAAAGATTGACATCAATAATACAGGCTT GGTTACAAGGGACAAGTTCGTAGAATACTGGGTGGACCAAAACATGCTGGCCATGG ACACTGCAACTCGCGTCTTCACTGTGTTGAAGCAACCCGACAAGAATTTTCTGAGAC AGGAAGATTTTAGGCCCGTTTTACGAGAATTGTTGTTGACGCATCGCGGTTTGGAAT TTCTCCATGACACCCCGGAGTTTCAAGACAGATATGCTGAAACTGTAATATACAGAA TATTCTACCATGTAAATAGAGCTGGGAATGGTCGGCTACAACTTAGAGAGTTAAAGC GGAGTAATTTAATTGCTGCTCTTCAGCAAGTGGATGAAGAGGAAGACATCAACAAA GTGTTACGTTACTTCTCATATGAACATTTTTATGTCATATATTGCAAGTTCTGGGAGC TGGATTCAGATCACGATTTTTTAATAGACAAAGATGATCTCCTTCGATATGGAAATC

FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6)

Continued

ATGCTCTCACCTACCGAATCGTAGAGCGTATCTTTTCCCAGGTTCCAAGAAAGTTCA ${\tt CCAGCAAAGTAGCTGGAAAGATGGGTTATGAAGACTTCGTATGGTTTATTCTTTCAG}$ AAGAGGACAAGTCTTCCGAACCCAGCTTAGAGTACTGGTTCAAGTGTGTAGACCTG GATTGTGACGGGATGATTATACTAAATGAGATGCAATATTTTTACGAGGAGCAACTT CATCGGATGGAGTGCATGGCTCAGGAGCCTGTTCTTTTTGAGGATATCGTTTGTCAA ATGACAGATATGATCGGACCTGCTAATGAAGGACGGTTGACACTTCGGGACTTAAA ${\tt GCGATGCAAATTATCTGGAAACTTCTTCAATATCCTTTTTAACCTCAACAAATTCGTA}$ ACTGAGTGGGATCGATTTGCACACATTGAGTACATCCGACTTTCAATGGAAGAAGAT GGCGAGGATGCCTCCAACGGCAGTGCTGAAGTCTGGGATGAGCCTGGTTACGAAGC CCCCTTTTAACCTTCTGTTGTCCCTCAAGATCCAGGCATTTGAATCATCAGAGCAGA GACGGACGCACGAAGAATTGCCTGCTGGACTTTTAAGAAAACTGGTCTGTGCAAC AGGGGGACCCTGTCTACTTTAAAATCAGACAATGCATGTGACATTTGTACAGTTC ACAAATGGCAGCATTTATCTATTTAGGAAGTCCTTCAACATTATATCTTTCAGGTCTC CAGCTCGCCATTTACGGGTGCTACTGTAACTCGAGTCCTTGTGCAAGAATCATGAAG AATACTGAGCATGGCGACGTCCAAAACTTCGAGACAACGTCAAAGAACTACTTGAC CGGTCTCTCAACAAGTTCTGTTACTTAAGTGCACAGCACTGGGGTAGCCCTCTTGCTTTCAAAATCACTGTGTGTGACACTGTAGCTACTTCAGGGAAATTGATGTTGGGCA TTCTAGGCCTTCTGAGCTTTTTTTGCAGGTCTTTTTTGATGGTCTCCGTCACGTTATTTG

FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6)

Continued

TTTAGGAATGAAGCAGCCTGCCCAGGATAGTGATGTAGACATGGTCCCGTTTCTGAT
CTTCTCAATCAGGCTTAACCATGCAGTAATTAAGCAGGTAGGCACAGTGTGCTCAAC
ACGTAATCCCCTTCCCACACTAGTCTTCTCTGTAGACTCTTTATTTCAGCTTTTGATCC
GGAACTTAAAGCTTTTGACTGGTTCAGCCCGAGGCTGGTAGCGTTAACGC

FIGURE 2B

Nucleotide sequence of the full-length PP2A-3 from Physcomitrella patens (SEQ ID NO:7) ATCCCGGGTGGTGGCGGTGAAGTTATTACCCGAGAGCTTCGACAGCTTCACGCA ${\tt CCGCGATGCAAGCTTCTCAACGAGCCGTTGGAAGCTTCGTGTGGAGTGTGGAA}$ ACTGCCGGAGCTCCGTAACCATGCGGGGTTCATGGAAGTGGTGGCTGCCAATTCGG AGGCGGATTTCAATGTGGTAGAGTTTGGACTTAGAGTTTTGTAGGAGGAGGGGTTGA AGTGTGGGCCAAGTGTTGGGGCTCCTGAAACAGGGGAAAAAGAAAAAGAGACGACG ACGCCGGAGATTGGAGATTGAGGTGTGTGTGTGTTTTGTGGTTAGTTTAGCGGTTTGAAGTGATCAGTGGTGCAAGCGGGGCACCCGCTGGGGCCCCAGTTCCCACT ${\tt GCTACTGGTTGCTGCGCCATTGCCCGCGTTGGAGTGGAAATTCTCGCAGGTTT}$ TCGGCGAGCGTGCCATCGGAGAGGAAGTGCAAGAAGTTGATATTATCTCGGCTATT GAGTTTGATAAGACTGGAGAACATTTGGCGACTGGCGACAGAGGAGGACGCGTTGT ACTTTTTGAGAGAACAGATGGCAAAGATCAAAGGACACGGAGAGAGTTGGAAAGA GCTGATTCTGCGGGGTCCAGGCATCCTGAATATCGATACTCTACCGAGTTTCAAAGT CATGAACCAGAGTTTGATTACTTGAAGAGTTTGGAAATAGAGGAGAAGATCAATAA AATTAGATGGTGTCAGACTGCCAACGCCGCTCAGTTCTTAATTTCTACGAATGACAA AACCATTAAATTATGGAAGGTGACTGAAAAGAAAGTGAAGCAAGTCAAGAACCTGA ATGTGGATCCTGGAGCCAGAGGGAATGGAAACCCATTGTCGAATAACATGATGCTC AATCCAAAGGGTTTTGCACCACGGTTGTCGATGAATGGAGTTGCCGCGAACCGATCT ACGCCTGCCATCAGCCCTGACTTTGTATTTCCTCCTGGAGGCATTCCGTCTCTTCATC TTCCCTCGGTATGGAGTAACGAGACGGCATTAGTTGCGAGATGTAGAAGAGCCTAC GCAAACGCTCATGCATATCATCTAACTCCATATCTAACAACAGCGATTGTGAGACA

FIGURE 2B

Nucleotide sequence of the full-length PP2A-3 from Physcomitrella patens (SEQ ID NO:7)

Continued

TACATCTCTGCAGATGATTTGAGAATAAATTTATGGAATCTTGAAGTTAGTGATCAG AGTTTCAATATTGTTGACATCAAACCAACAACATGGAAGACCTTACAGAGGTGAT AACGTCTGCAGAGTTCCATCCTTCTCATTGCAATGTGTTAGCATACAGTAGCAGCAA GGGCTCTATTCGACTCATTGATATGCGTCAATCAGCCTTGTGTGATCGACATTCAAA GCTGTTTGAGGAGACTGAGCATGCTGGATCAAGATCCTTTTTTACAGAAATCATAGC TTCTATTTCTGATATTAAGTTTGCGAGAGGCGGTCGGTACATTCTGAGTCGGGACTA CATGACTCTGAAATTGTGGGATGTGAACATGGAATCTTCCCCTGTGGCCGTATTTAA AGTCCACGAGTATTTGCGTCCAAAGCTTTGTGATCTCTATGAGAACGACTCCATCTT CGACAAGTTTGAATGTTGTCTTAGTGGGGATGGCATGCGTGTGGCAACTGGTTCCTA ${\tt CAGCAACTTGTTCCGGGTGTTTTGGGGCCGCTACCGGAAGTGAGGAAGCGTCAACCTT}$ GTCGACTAGCCAATCTTGCTCGTGGTCGGCGTGATAACCGTCGAGGTGGAGAAAGC CCAGGTATAGATTTGAATGGGGGAGTGCAAGATTTCACATCAAAGCTTTTGCACTTA GCATGGCATCCAGCAGCGAATGTGATCGCTTTCGCGCTAGCGCGTTGCTCGCTGCAT CCAACAGCTTGTACATGTTAACGC

FIGURE 2C

Nucleotide sequence of the full-length PP2A-4 variant from *Physcomitrella patens* (SEQ ID NO:8)

GGCGTTAACGCGCGGAGGAGAGCGGATCGGTTAGGGTTTGGTGCCAGGGGGAGGG ${\tt CAGAGGTTGGGACAATGCCGTCATATGCAGATGTAGACCGGCAGATAGAGCAGCTG}$ TCGGAGTGCAAGCCGTTGTCGGAGTTGGAGGAGAACCTATGTGATCAAGCTCG GACGATCTTGGTGGAGGAGTGGAACGTGCAGCCCGTGAAGTGTCCTGTCACGGTTTG CGGTGACATCCATGGCCAGTTTCATGATCTCATCGAGCTTTTCCGCATAGGAGGCAA GGCGCCCGACACGAACTACTTGTTCATGGGCGACTATGTGGATCGTGGATATTATTC TGTCGAGACTGTGTCGCTCTTAGTGGCCCTGAAGGTGCGGTATAGGGATAGGATCAC AATCTTGCGAGGGAACCACGAGGAGCAGGCAGATTACGCAAGTATATGGTTTCTATG ATGAATGCCTGCGGAAGTATGGAAATGCGAATGTTTGGAAGTACTTCACGGATCTGT TCGACTACCTGCCTCTGACAGCTCTCATTGAGCACGAGATTTTTTGTCTTCATGGTGG TCTGTCTCCATCGCTCGACACATTAGATCACATCCGAGCCCTAGATCGTATTCAAGA AGTGCCGCACGAGGCCCGATGTGTGATCTACTCTGGTCTGATCCAGATGATCGTTG TGGATGGGCATTTCACCACGAGGTGCCGGTTATACTTTTGGTCAAGATATTGCAGA ${\tt GCAGTTCAATCATACCAATGGTCTAAGTTTGGTTGCACGTGCTCACCAGCTTGTGAT}$ GGAAGGATACAATTGGTGCCAGGATAAAAATGTTGTCACAGTTTTCAGTGCCCCCAA ATCGGTCTTTCTTCAGTTCGAACCAGCACCGCGGCAAAGTGAACCAGATGTGACGC

FIGURE 2C

Nucleotide sequence of the full-length PP2A-4 variant from *Physcomitrella patens* (SEQ ID NO:8)

Continued

ACTTGCTCCTCTGTTCATTCATAAAGTTGCCTTCAGAACAACTGAGATGTTGTGAATG
TAACTGCGACAAGAGGAGCAGTGTCAATGGTTGCAAGGGTTATAGTGATTAGGGAA
AGAAGGTAGCACATGTTACTTCAAATCGATCAGAGACTTCTATGGAAAAAGATGACG
ATGGTGGAAACAACGTTCATCTCCACACCTACTGTATATGGCATGCTCGAGCTCGC

FIGURE 2D

Nucleotide sequence of the full-length PP2C-1 from Physcomitrella patens (SEQ ID NO:9) GCGATATCGATTTGCAAGGGCGAAGTGCACAAGAGGGATGGGAATTTATCTTTGCTC TCCAAAGACTGACAAGACATCCGAAGATGATGAGAATGCCGAGTTACGCTATGGTT TATCAGCCATGCAAGGGTGGCGCGATAGCATGGAGGATGCACACAAAGCTATCTTA AACGTTGATAAGAACACGTCAACATCAATATTTGGCATCTTTGATGGTCACGGAGGT AAATTGGTGGCAAAATTTTGTGCAAAGCACTTACACCAAGAGGTTCTGAAGTCTGAA GAGATGATGAAGGGAGCAAGTGGGTGGAAAGAGCTTCAAAGTTTGGAGGAAACAA GACGAAAGTGATTATTCCTATGCTGTGCTAACTGAAAGCAATGATAGTAACTTGGCC ACTAAAAAGCATAAATATTCAGATTTCCAGGGTCCCATTTATGGGAGTACTGCAGTG GTGGCTCTGATTCGTGGCAATAAACTGTTCGTCGCAAACGCTGGAGACTCTCGCTGC ATAATGTCTCGACGTGGCGAGGCTGTAAATCTCTCGATTGATCACAAACCCAACCTA GAGCATGAGAGAAAAGGATAGAGAGTGCTGGAGGCTTCGTCCATGGTGGTCGTGT TAACGGTAGTCTAAATCTTACAAGAGCAATAGGGGACATGGAATTCAAGGGTCGAC CTGATTTGCCACCTGACAAGCAAGTAGTGACGTGCTGTCCCGATGTTGTCGAAGTTG ACCTTGGACCCGGGGATGAATTTATCGTGCTGGCCTGTGATGGAATATGGGATGTTA TATCATCTTTGTGTGAGGAGATACTGGATTACTGCTTGTCCCCAACCACCCGCCAGC GCAGCATCTTCCACAGATTGACGTTGATGACCTTCGTCGGACGCTGGAGCTCAA AACTCATTGTGGACTTCAACTTCTGAGTTCAAAGTTCCTTGTAGACTTCTTGTCATGT

FIGURE 2D

Nucleotide sequence of the full-length PP2C-1 from Physcomitrella patens (SEQ ID NO:9)

Continued

CCAACTTCTACCTAATTTCGAATTTCAAAAGACTTAAATATAAACCTAGATATAGGC
TGATCATAAAATTTCGGGTCAAAGGCGTTATGGTCTTCTATTCAAATATAAGGTGAA
TTAATGCTAAAACTGGGAGTTGCCTTCTGCCTTCGATATCGC

FIGURE 2E

Nucleotide sequence of the full-length PP2C-2 from *Physcomitrella patens* (SEQ ID NO:10) AGTCGAATGTACAGGAAGAAGCGAAAAGGATATGGAGTGGAAATATGAAGAAGCT GGTTGAAGAAGGACGTCTGAGAGATGGTAGAGTGGGTAATGAAGATGTTGATGGCA TGTTGGCGTCCGGTGCAAAAATACACGCACCTGGGGGAGGAGAATGGAGATAACCA CGACCCACTGCTGTGGCACAAAGATTTGGGTGATCATGCCGCAGGACAGTTTTCTAT TGCCGCAGTTCAGGCGAATGCTATCTTGGAGGACATGGTCCAAGTGGAAACTGGAC CGTTTGGTACCTTTGTTGGGGTGTACGATGGCCATGGTGGCCCGGAAGCTTCTCGTT ACGTCAATGACAGTTTGTACCGCCATTTACAGAAATTTGCCACCCAACATGGGGGAA TGTCTAGTGAGGTTCTTCAGCAAGCCTTTAAGCAGACCGAGGAGGGGTTTTTGGAAA TCGTAAGGGATTCATGGCTCACGAAGCCCCAGATTGCTGCCGTTGGTTCCTGTTGCC TGGTAGGTGTGGGGAGTGTAAGCTGTACATCGCCAGCCTGGGTGATTCTAAGG CTGTGCTCGGTAGATTCTCTCGCAATTTGCAATCAGTAATTGCGACGGAGATATCCA CTGAGCATAACGCCAGTGTTGAGGCTGTTAGGCAGGACCTGCAAGCTGCGCATCCTG ATGACCCGCGCATTGTTGTGCTGAGGCACGGAGTGTGGCGTGTGAAGGGTTTGATTC AAGTCTCTCGATCCATTGGCGACGTTTATCTGAAGAAGGCTGAGTTCAACCGTGAGC CTCTAATCGGCCGGTTCCGCCTGCCAGAGCCGCTCCAGAGACCCGTCATGAGCGCCG AGCCGGACATCCGAGTAATCGATCTGACCCCAGATGTGGAGTTTGTGATTTTTGCAT CAGATGGGTTGTGGGAGCACTTGTCCAACCAAGAGGCTGTGGATATTGTTCACAAAT ACCCGCGCGCTGGCATCGCCAGGCAGCTCATTCGATACGCTCTTCATGAAGCGGCCA AGAAGCGAGAGATGCGGTACTCGGATCTGAAGAAGATCGAGCGTGGTATCCGGAGA CACTTTCATGACGACATCACAGTGGTAGTCGTCTTCTTAGATCATAATTTGGTTAGCA

FIGURE 2E

Nucleotide sequence of the full-length PP2C-2 from Physcomitrella patens (SEQ ID NO:10)

Continued

ATGGTAGTGGTATCTCGCATCACATTTCTGTGAAAGGTGGAGTTGACAAACCTTCTT
GAAAAGGGGTCGTAGGTACTCTCCATGGTATCTTGCAGGTTTTGTCACATGAAACTT
CCCCCTTTCGCACGATGGGGTAGAAGTGATTGCTCCTTTGAAGCTACACCTCCCTGC
AACCCAATCGTCTGTCGAACCTGAAGCTAGACACCCACAGGAGCTTGC

FIGURE 3A

Deduced amino acid sequence of PP2A-2 from *Physcomitrella patens* (SEQ ID NO:11)

MHCGGYPDHASGRFGVRPMEPLTLAVADLDPDLLQLPADFTPFASPSSSSPASVGVSNK
LGGVCRLHLEELYAQWISLPDTQRLVTNLLEEAKGGAGHPNVGLSLLPGHLSGAAGSTP
PLPPRSSGSPMSPRSPFSRRMGTSHLMRDSPLKKSSEPVREIIPQFYFPNGPPPSKDTIESC
MARVNQIFGAHPEGLPASAFATITKDVCKLPSFFSMALFKKIDINNTGLVTRDKFVEYW
VDQNMLAMDTATRVFTVLKQPDKNFLRQEDFRPVLRELLLTHRGLEFLHDTPEFQDRY
AETVIYRIFYHVNRAGNGRLQLRELKRSNLIAALQQVDEEEDINKVLRYFSYEHFYVIYC
KFWELDSDHDFLIDKDDLLRYGNHALTYRIVERIFSQVPRKFTSKVAGKMGYEDFVWFI
LSEEDKSSEPSLEYWFKCVDLDCDGMIILNEMQYFYEEQLHRMECMAQEPVLFEDIVCQ
MTDMIGPANEGRLTLRDLKRCKLSGNFFNILFNLNKFVAFETRDPFLIRQEREDPSLTEW
DRFAHIEYIRLSMEEDGEDASNGSAEVWDEPGYEAPF*

FIGURE 3B

Deduced amino acid sequence of PP2A-3 from *Physcomitrella patens* (SEQ ID NO:12)

MISGASGAPAGAPVPTATGSVAAPLPALEWKFSQVFGERAIGEEVQEVDIISAIEFDKTGE

HLATGDRGGRVVLFERTDGKDQRTRRELERADSAGSRHPEYRYSTEFQSHEPEFDYLKS

LEIEEKINKIRWCQTANAAQFLISTNDKTIKLWKVTEKKVKQVKNLNVDPGARGNGNPL

SNNMMLNPKGFAPRLSMNGVAANRSTPAISPDFVFPPGGIPSLHLPSVWSNETALVARC

RRAYANAHAYHINSISNNSDCETYISADDLRINLWNLEVSDQSFNIVDIKPTNMEDLTEVI

TSAEFHPSHCNVLAYSSSKGSIRLIDMRQSALCDRHSKLFEETEHAGSRSFFTEIIASISDIK

FARGGRYILSRDYMTLKLWDVNMESSPVAVFKVHEYLRPKLCDLYENDSIFDKFECCLS

GDGMRVATGSYSNLFRVFGAATGSEEASTLEASKTPNRRIVTPPSKAGSRLANLARGRR

DNRRGGESPGIDLNGGVQDFTSKLLHLAWHPAANVIAFALARCSLHPTACTC*

FIGURE 3C

Deduced amino acid sequence of PP2A-4 from *Physcomitrella patens* (SEQ ID NO:13)

MPSYADVDRQIEQLSECKPLSELEVKNLCDQARTILVEEWNVQPVKCPVTVCGDIHGQF

HDLIELFRIGGKAPDTNYLFMGDYVDRGYYSVETVSLLVALKVRYRDRITILRGNHESR

QITQVYGFYDECLRKYGNANVWKYFTDLFDYLPLTALIEHEIFCLHGGLSPSLDTLDHIR

ALDRIQEVPHEGPMCDLLWSDPDDRCGWGISPRGAGYTFGQDIAEQFNHTNGLSLVAR

AHQLVMEGYNWCQDKNVVTVFSAPNYCYRCGNMAAIMEIDETMNRSFLQFEPAPRQS

EPDVTRKTPDYFL*

FIGURE 3D

Deduced amino acid sequence of PP2C-1 from Physcomitrella patens (SEQ ID NO:14)

MGIYLCSPKTDKTSEDDENAELRYGLSAMQGWRDSMEDAHKAILNVDKNTSTSIFGIFD
GHGGKLVAKFCAKHLHQEVLKSEAYAKGDLKASLEYSFLRMDEMMKGASGWKELQSL
EETSSQLDKLGNGNSSSNAREDDESDYSYAVLTESNDSNLATKKHKYSDFQGPIYGSTAV
VALIRGNKLFVANAGDSRCIMSRRGEAVNLSIDHKPNLEHERKRIESAGGFVHGGRVNGS
LNLTRAIGDMEFKGRPDLPPDKQVVTCCPDVVEVDLGPGDEFIVLACDGIWDVMSSQAV
VDFVKSRLPTTKTLSSLCEEILDYCLSPTTRQQEGCDNMSIIIVQPKQSGVAASSSTD*

FIGURE 3E

Deduced amino acid sequence of PP2C-2 from *Physcomitrella patens* (SEQ ID NO:15)

MVEWVMKMLMACWRPVQKYTHLGEENGDNHDPLLWHKDLGDHAAGQFSIAAVQAN

AILEDMVQVETGPFGTFVGVYDGHGGPEASRYVNDSLYRHLQKFATQHGGMSSEVLQ

QAFKQTEEGFLEIVRDSWLTKPQIAAVGSCCLVGVVWECKLYIASLGDSKAVLGRFSRN

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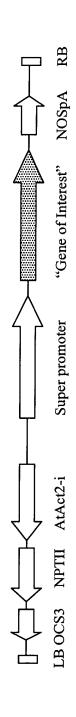
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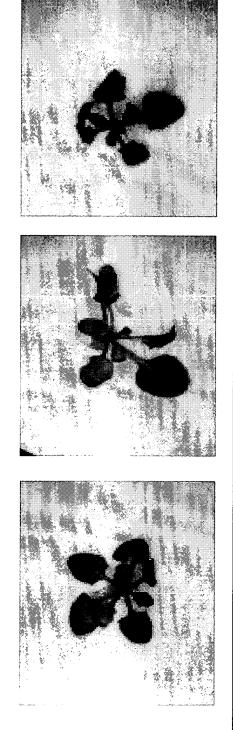
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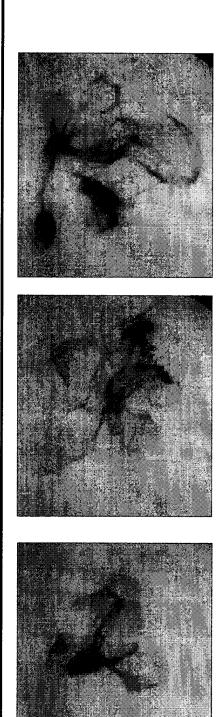
FIGURE 4





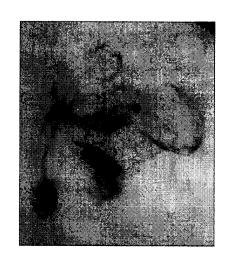
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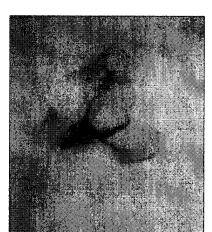




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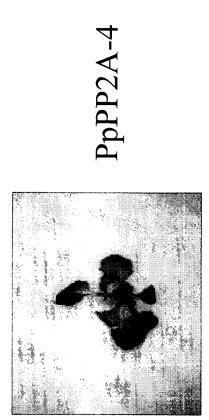


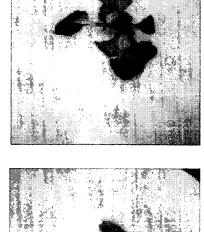




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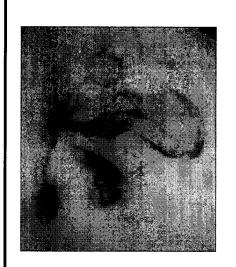




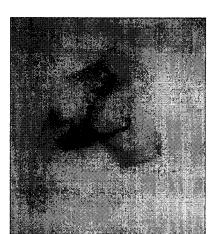


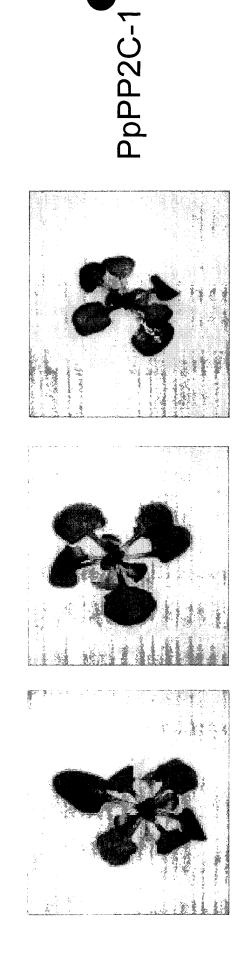




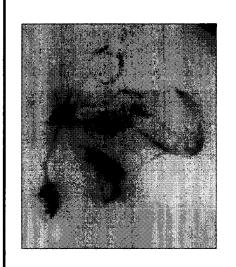


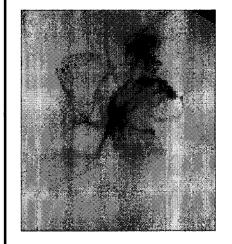




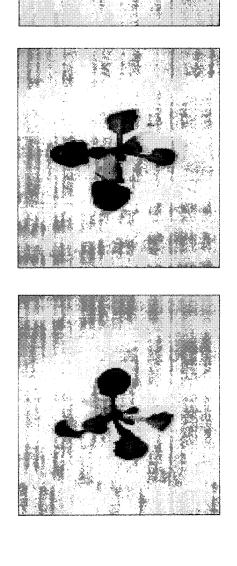


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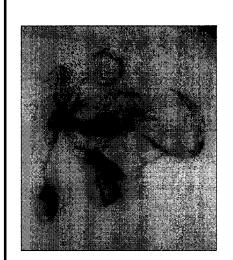




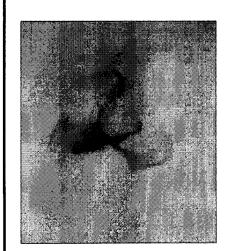


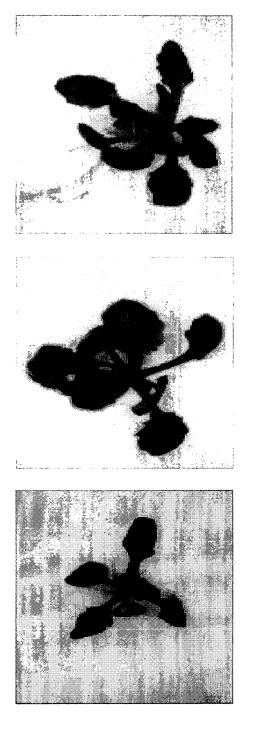




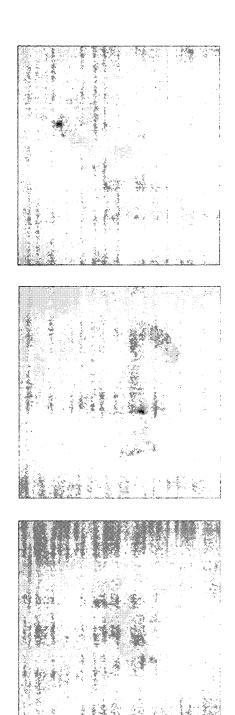




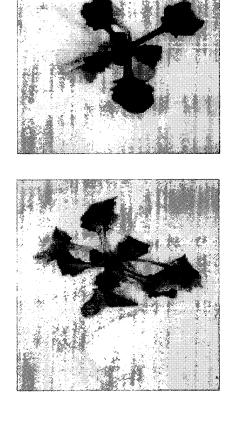


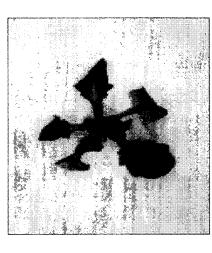


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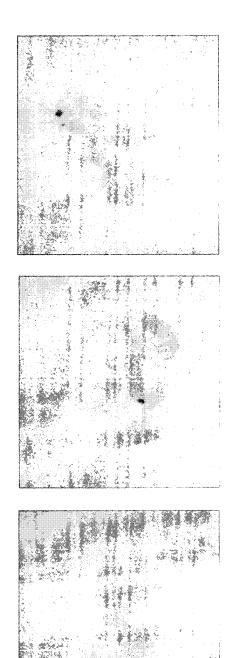


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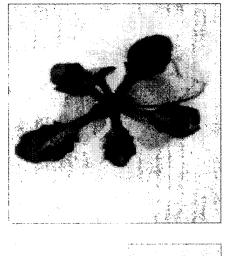






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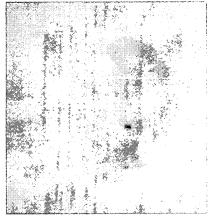
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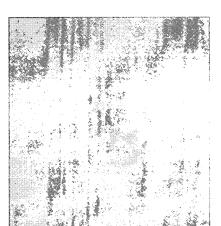


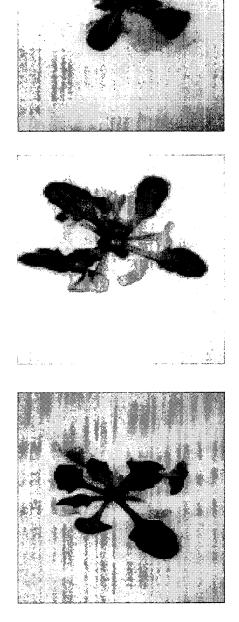












PpPP2C-2





